

950DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR

(RE 385LN MOTOR)



RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

950D2.51LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 2.5:1
950D61LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 6:1
950D111LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 11:1
950D301LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 30:1
950D501LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 50:1
950D1001LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 100:1
950D1481LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 148:1
950D5001LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 500:1
950D8101LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 810:1
950D30001LN	(4.5v - 15v)	WITH RE 385LN MOTOR.	RATIO 3000:1

IMPORTANT NOTICE
Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).

Designed for heavier duty industrial and modelling applications. These units boast a high quality five pole low rpm motor providing approx 45% more motor torque than the standard RE385 motor, **with a considerable reduction in noise levels.** The metal gearbox incorporates sleeve bearings, enabling the high torque transfer to be transmitted through the gearbox.

MOTOR DATA. (RE-385)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	oz - in g - cm	
			R.P.M.	A	R.P.M.	A	oz - in	g - cm	W	%	oz - in	g - cm
RE385LN	4.5 - 15.0	12v CONSTANT	7300	0.15	5950	0.9		110	7	64.8		605

REDUCTION TABLE. R.P.M. (NO LOAD)

SUPPLY VOLTAGE	4.5v	6.0v	9.0v	12.0v	15.0v
950D2.51LN	1095	1460	2190	2920	3650
950D61LN	456	608	919	1217	1521
950D111LN	249	332	498	664	830
950D301LN	91	122	183	243	304
950D501LN	55	73	110	146	182
950D1001LN	27	37	55	73	91
950D1481LN	18	25	37	49	61
950D5001LN	5	7	11	15	18
950D8101LN	3	5	7	9	11
950D30001LN	1	1.2	1.8	2.4	3

WEIGHT	
950D2.51LN	215g
950D61LN	215g
950D111LN	215g
950D301LN	202g
950D501LN	229g
950D1001LN	229g
950D1481LN	235g
950D5001LN	241g
950D8101LN	241g
950D30001LN	249g

At 12V (g.cm)	
2.5:1LN	228
6:1LN	547
11:1LN	1000
30:1LN	600
50:1LN	3000
100:1LN	6000
148:1LN	6000
500:1LN	6000
810:1LN	6000
3000:1LN	6000

GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY.

950DLN SERIES	
No load Backlash:	Max 2 deg.
Max Radial Load: (10mm from flange)	1000gf.
Shaft Axial Load:	700gf.

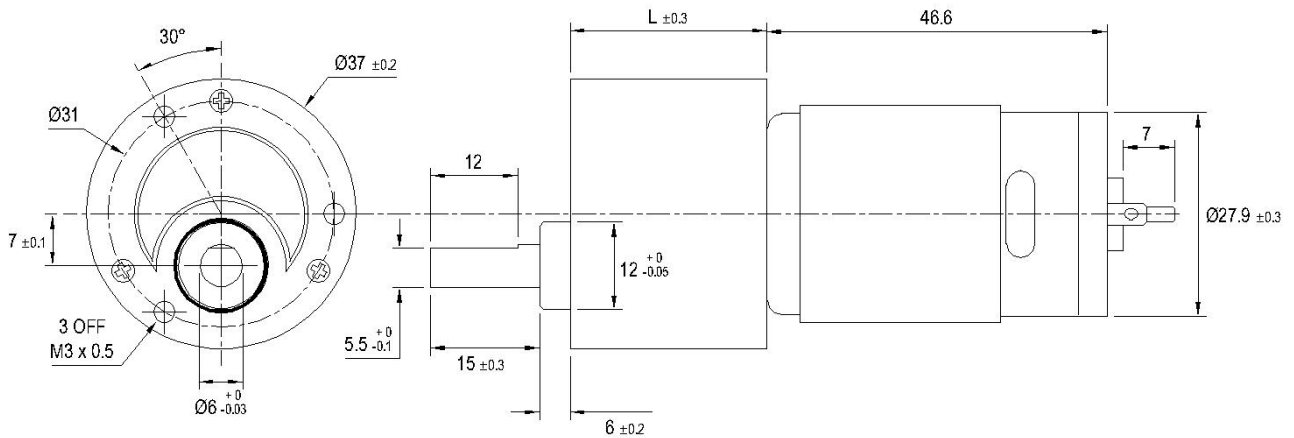
Note: Motor speeds may vary by (+) or (-) 10%

IMPORTANT NOTICE
At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears.

NOTE: To establish Torque Rating in Nm divide g.cm by 10,197.0

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(RE 385LN MOTOR)



Pt. No. 727
Geared motor bracket (90 degree)

GEARBOX REF.	L
950D2.51LN (2.51:1)	19.5
950D61LN (6:1)	19.5
950D111LN (11:1)	19.5
950D301LN (30:1)	22.0
950D501LN (50:1)	24.5
950D1001LN (100:1)	24.5
950D1481LN (148:1)	27.0
950D5001LN (500:1)	29.5
950D8101LN (810:1)	29.5
950D30001LN (3000:1)	32.0

Subject to minimum order quantities of 250 units, the following ratios are also available with a six week lead-time. The physical dimensions of these other gearboxes may vary from the data as illustrated above. Details of individual gearboxes are available upon request.

GEARBOX 18:1 WITH 385 MOTOR.
GEARBOX 75:1 WITH 385 MOTOR.
GEARBOX 180:1 WITH 385 MOTOR
GEARBOX 300:1 WITH 385 MOTOR
GEARBOX 450:1 WITH 385 MOTOR
GEARBOX 900:1 WITH 385 MOTOR

GEARBOX 60:1 WITH 385 MOTOR
GEARBOX 90:1 WITH 385 MOTOR.
GEARBOX 200:1 WITH 385 MOTOR
GEARBOX 350:1 WITH 385 MOTOR
GEARBOX 600:1 WITH 385 MOTOR
GEARBOX 1000:1 WITH 385 MOTOR

GEARBOX 70:1 WITH 385 MOTOR.
GEARBOX 120:1 WITH 385 MOTOR
GEARBOX 250:1 WITH 385 MOTOR
GEARBOX 400:1 WITH 385 MOTOR
GEARBOX 700:1 WITH 385 MOTOR
GEARBOX 1500:1 WITH 385 MOTOR